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(71) Applicant: **INTERDIGITAL TECHNOLOGY CORPORATION**
Wilmington, DE 19801 (US)

(72) Inventor: **Kaewell, John D., Jr.**
Jamison, PA 18929 (US)

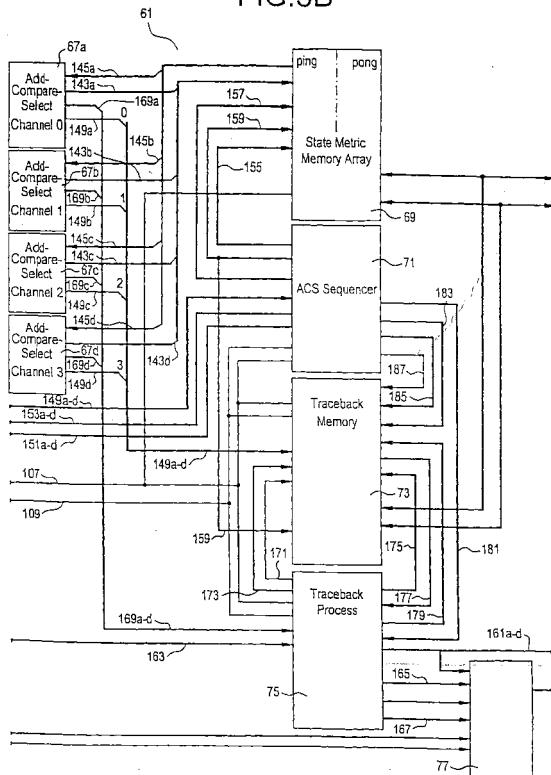
(74) Representative: **Frohwitter, Bernhard**
Frohwitter,
Patent.- und Rechtsanwälte,
Possartstrasse 20
81630 München (DE)

(54) Multichannel viterbi decoder

(57) The present invention provides a method for simultaneously receiving and processing multiple channels of data at independent rates which share a same frequency spectrum, comprising the steps of:

receiving a multichannel data communication signal having multiple data channels at independent data rates on the same frequency spectrum; separating selected channels of data of the received signal and identifying the data rate for each channel; decoding each separated channel of the received signal at an assigned data rate, said decoding step using a common decoding memory; and directing each separated channel to a different decoding means and assigning each decoding means a data rate responsive to the identification of data rates by said separating step.

FIG.3B





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2	The present search report has been drawn up for all claims		
Place of search		Date of completion of the search	Examiner
The Hague		22 March 2005	Koukourlis, S
CATEGORY OF CITED DOCUMENTS			
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EUROPEAN SEARCH REPORT

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